IL-12RB2 Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	IL-12RB2, Recombinant Protein
Full Product Name	Recombinant Mouse IL-12RB2 Protein
Product Gene Name	IL-12RB2 recombinant protein
Product Synonym Gene Name	IL12RB2
Product Synonym Names	Interleukin-12 receptor subunit beta-2; IL-12 receptor subunit beta-2; IL-12R subunit beta-2; IL-12R-beta-2; IL-12RB2
Sequence	MAQTVRECSL ALLFLFMWLL IKANIDVCKL GTVTVQPAPV IPLGSAANIS CSLNPKQGCS HYPSSNELIL LKFVNDVLVE NLHGKKVHDH TGHSSTFQVT NLSLGMTLFV CKLNCSNSQK KPPVPVCGVE ISVGVAPEPP QNISCVQEGE NGTVACSWNS GKVTYLKTNY TLQLSGPNNL TCQKQCFSDN RQNCNRLDLG INLSPDLAES RFIVRVTAIN DLGNSSSLPH TFTFLDIVIP LPPWDIRINF LNASGSRGTL QWEDEGQVVL NQLRYQPLNS TSWNMVNATN AKGKYDLRDL RPFTEYEFQI SSKLHLSGGS WSNWSESLRT RTPEEEPVGI LDIWYMKQDI DYDRQQISLF WKSLNPSEAR GKILHYQVTL QEVTKKTTLQ NTTRHTSWTR VIPRTGAWTA SVSAANSKGA SAPTHINIVD LCGTGLLAPH QVSAKSENMD NILVTWQPPK KADSAVREYI VEWRALQPGS ITKFPPHWLR IPPDNMSALI SENIKPYICY EIRVHALSES QGGCSSIRGD SKHKAPVSGP HITAITEKKE RLFISWTHIP FPEQRGCILH YRIYWKERDS TAQPELCEIQ YRRSQNSHPI SSLQPRVTYV LWMTAVTAAG ESPQGNEREF CPQGKANVDD IEGRMDEPKS CDKTHTCPPC PAPELLGGPS VFLFPPKPKD TLMISRTPEV TCVVVDVSHE DPEVKFNWYV DGVEVHNAKT KPREEQYNST YRVVSVLTVL HQDWLNGKEY KCKVSNKALP APIEKTISKA KGQPREPQVY TLPPSREEMT KNQVSLTCLV KGFYPSDIAV EWESNGQPEN NYKTTPPVLD SDGSFFLYSK LTVDKSRWQQ GNVFSCSVMH EALHNHYTQK SLSLSPGK
Host	Human Cells
Form/Format	Lyophilized from a 0.2 mum filtered solution of PBS, pH7.4.
Purity/Purification	>95% as determined by reducing SDS-PAGE
Preparation and Storage	Lyophilized protein should be stored at -20 degree C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8 degree C for 2-7 days. Aliquots of reconstituted samples are stable at -20 degree C for 3 months.
3D Structure	ModBase 3D Structure for P97378
Endotoxin	Less than 0.1 ng/ug (1 IEU/ug) as determined by LAL test.
Applications Tested/Suitable for IL-12RB2 recombinant protein	ELISA (EIA), Western Blot (WB), SDS-PAGE
Related Product Information for IL-12RB2 recombinant protein	Recombinant Mouse IL-12RB2 Protein is produced by mammalian expression system and the target gene encoding Met1-Asn637 is expressed with a Fc tag at the C-terminus.
Other Notes	Small volumes of IL-12RB2 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for IL-12RB2 purchase	MBS8305273 is a recombinant protein targeting IL-12RB2. Also known as Recombinant Mouse IL-12RB2 Protein. Host: Human Cells.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IL-12RB2. It may not necessarily be applicable to this product.

NCBI GI #	6680401

NCBI GeneID	16162
NCBI Accession #	NP_032380.1
UniProt Primary Accession #	P97378
UniProt Related Accession #	P97378
GenBank Nucleotide #	NP_032380.1
NCBI Official Full Name	interleukin-12 receptor subunit beta-2 isoform 1
NCBI Official Synonym Full Names	interleukin 12 receptor, beta 2
NCBI Official Symbol	Il12rb2
NCBI Official Synonym Symbols	Ifnm; IL-12RB2; A930027I18Rik
UniProt Protein Name	Interleukin-12 receptor subunit beta-2
Protein Family	Interleukin-12 receptor
UniProt Gene Name	Il12rb2
UniProt Synonym Gene Names	IL-12 receptor subunit beta-2; IL-12R subunit beta-2; IL-12R-beta-2; IL-12RB2
UniProt Entry Name	I12R2_MOUSE
NCBI Protein Information	interleukin-12 receptor subunit beta-2
UniProt Comments for IL-12RB2	IL12RB2: Receptor for interleukin-12. This subunit is the signaling component coupling to the JAK2/STAT4 pathway. Promotes the proliferation of T-cells as well as NK cells. Induces the promotion of T-cells towards the Th1 phenotype by strongly enhancing IFN-gamma production. Belongs to the type I cytokine receptor family. Type 2 subfamily. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Cell cycle regulation; Receptor, cytokine; Membrane protein, integral Cellular Component: membrane; integral to membrane; external side of plasma membrane Molecular Function: hematopoietin/interferon-class (D200-domain) cytokine receptor activity; protein binding; protein kinase binding Biological Process: positive regulation of interferon-gamma production; peptidyl-tyrosine phosphorylation; response to cytokine stimulus; interferon-gamma production; response to lipopolysaccharide
Research Articles on IL-12RB2	**1.** These results provide a new pathway of Th1 response regulation where IL-12 secreted by dendritic cellss is consumed by a sub-population of IL-12Rbeta2-expressing Treg cells.
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